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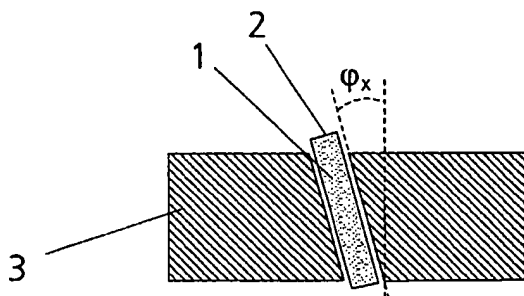
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(54) Title: **FACET MIRRORS AND A METHOD FOR PRODUCING MIRROR FACETS**



(57) Abstract: In a method for producing mirror facets (1)  
for facet mirrors in illuminating devices or projection ex-  
posure machines in microlithography by using radiation in  
the extreme ultraviolet range, individual tilting angles are  
recessed into an optical surface (2) of the mirror facet (1),  
preferably a surface with tilting angles relative to a refer-  
ence surface of the mirror facet (1) is machined into or on  
said optical surface.